



DOCKET NO: I0168-7077.19

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gary Ganzi, et al.
Serial No: 10/712,250
Confirmation No: 8579
Filed: November 13, 2003
For: WATER TREATMENT SYSTEM AND METHOD

Examiner: Not yet assigned
Art Unit: 1742

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 6th day of May, 2005.

Jeanne W. Chub

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

Information Disclosure Statement, Form PTO-1449 and Cited References
 Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 395-7000.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 50/0214. A duplicate of this sheet is enclosed.

Respectfully submitted,
Gary Ganzi, et al., Applicants

By:

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Date: May 6, 2005



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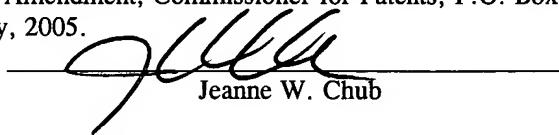
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Jeanne W. Chub

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant brings to the attention of the examiner the following co-pending applications:

| Serial No. | Filing Date | Title | Inventors |
|-------------------|--------------------|--|------------------|
| 10/856,264 | 05/27/04 | Water Treatment System and Process | Wilkins et al. |
| 10/845,782 | 05/13/04 | Electrodeionization Device and Methods... | Arba et al. |
| 10/278,714 | 10/23/02 | Production of Water for Injection Using... | Wood et al. |
| 10/272,356 | 10/15/02 | Apparatus for Fluid Purification... | Liang et al. |

The Applicant encloses a copy of an International Search Report and a copy of Written Opinion of the International Search Authority in a corresponding international application, International Application No. PCT/US2004/037969.

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

DE 3238280 appears to be directed to a process for desalting solutions. An English Abstract is provided.

DE 4016000 appears to be directed to ion exchange apparatus for treating liquid, especially for metal recovery, with exchanger regeneration by electro-dialysis. An English language abstract is provided.

JP 2005007347 is directed to electrodialysis-type water-purification apparatus. An English language abstract is provided.

JP 2005007348 is directed to an apparatus for electric deionization of water manufactured by less assembling steps. An English language abstract is provided.

PART IV: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

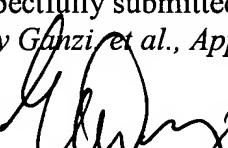
By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Gary Ganzi, et al., Applicants

By: 

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Docket No. I0168-7077.19
Date: May 6 2005

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|--|---|----|---|--------------------------------|---------------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | APPLICATION NO.: 10/712,250 | ATTY. DOCKET NO.: I0168-7077.19 |
| | | | | FILING DATE: November 13, 2003 | CONFIRMATION NO.: 8579 |
| | | | | APPLICANT: Gary Ganzi, et al. | |
| | | | | GROUP ART UNIT: 1742 | EXAMINER: Not yet assigned |
| Sheet | 1 | of | 2 | | |

U.S. PATENT DOCUMENTS

| Examiner's Initials | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|---------------------|----------|----------------------|-----------|---|---|
| | | Number | Kind Code | | |
| | * | US H1206 H | | Thibodeax et al. | 07/06/1993 |
| | * | US2002/092769 | A1 | Garcia Benny et al. | 07/18/2002 |
| | * | US2003/098266 | A1 | Shiue Lih-Ren et al. | 05/29/2003 |
| | * | US2003/155243 | A1 | Sferrazza Alois | 08/21/2003 |
| | * | US2003/080467 | A1 | Andrews et al. | 05/01/2003 |
| | * | US2003/089609 | A1 | Liang Li-Shiang et al. | 05/15/2003 |
| | * | US2004/0079700 | A1 | Liang et al. | 11/30/2004 |
| | * | 3,630,378 | A | William C. Bauman | 12/28/1971 |
| | * | 4,655,909 | A | Furuno et al. | 04/07/1987 |
| | * | 5,558,753 | A | Gallagher et al. | 09/24/1996 |
| | * | 5,788,826 | | Nyberg | 08/04/1998 |
| | * | 6,056,878 | A | Tessier et al. | 05/02/2000 |
| | * | 6,187,162 | B1 | Mir Leon | 02/13/2001 |
| | * | 6,274,019 | B1 | Kuwata Masahiro | 08/14/2001 |
| | * | 6,296,751 | B1 | Mir Leon | 10/02/2001 |
| | * | 6,824,662 | B2 | Liang et al. | 11/30/2004 |
| | * | 6,649,037 | B2 | Liang et al. | 11/18/2003 |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|---------------------|----------|-------------------------|--------|-----------|--|---|-------------------|
| | | Office/Country | Number | Kind Code | | | |
| | DE | 3238280 | A1 | | | 04/19/1984 | Abstract Only |
| | DE | 4016000 | A1 | | | 11/21/1991 | Abstract Only |
| | EP | 0170895 | A2 | | | 02/12/1986 | |
| | EP | 0803474 | A2 | | | 10/29/1997 | |
| | EP | 1068901 | A2 | | | 01/17/2001 | |
| | EP | 1172145 | A2 | | | 01/16/2002 | |
| | EP | 1222954 | A1 | | | 07/17/2002 | |
| | EP | 1506941 | A1 | | | 02/16/2005 | |
| | JP | 2005007347 | | | | 0113/2005 | Abstract Only |
| | JP | 2005007348 | | | | 01/13/2005 | Abstract Only |
| | WO | 98/17590 | | | | 04/30/1998 | |
| | WO | 02/04357 | A1 | | | 01/17/2002 | |

OTHER ART — NON PATENT LITERATURE DOCUMENTS

| | | | |
|---------------------|---------|---|-------------------|
| Examiner's Initials | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation (Y/N) |
| | | Yoran Oren et al., "Studies on Polarity Reversal with Continuous Deionization," <i>Desalination</i> , Elsevier Scientific Publishing Co., Amsterdam, NL, vol. 86, no. 2, June 1, 1992, pp. 155-171. | |



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|--|---|----|---|--------------------------------|---------------------------------|
| FORM PTO-1449/A and B (Modified) | | | | APPLICATION NO.: 10/712,250 | ATTY. DOCKET NO.: I0168-7077.19 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | FILING DATE: November 13, 2003 | CONFIRMATION NO.:8579 |
| | | | | APPLICANT: Gary Ganzi, et al. | |
| Sheet | 2 | of | 2 | GROUP ART UNIT: 1742 | EXAMINER: Not yet assigned |

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|--|--|---|--|--|
| | | Wood, J.H. et al., "Continuous Electrodeionisation: Module Design Considerations for the Production of High Purity Water," <i>Proc. Of IEX at the Millenium</i> , July 16, 2000, pp. 44-51. | | |
|--|--|---|--|--|

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.